

# Technical Cybersecurity

Class Introduction

# Grading Policy

## DUE DATES

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- ▶ Turn in homework and projects as many times as you like
- ▶ Only the highest score will count toward your grade

## QUIZZES

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- ▶ You can't take quizzes multiple times though

# Class Structure

## EIGHT MODULES

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- ▶ Roughly one per week, but you can work ahead
- ▶ DO NOT GET BEHIND!

## ROUGHLY FOUR LESSONS PER MODULE

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- ▶ Sometimes two, sometimes six, but the average is four-ish

## ROUGHLY FOUR VIDEOS PER LESSON

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- ▶ This will also vary, but this is a rough average

# Subject

## THIS IS A SYSTEMS CLASS

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- ▶ They require more work and time, plan for that
- ▶ I like the work to be hands on, so I emphasize homework and projects

## OFFENSIVE FOCUS

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- ▶ But we address defenses in each area

# Very Technical

## DETAILS OF HOW SYSTEMS REALLY WORK

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- ▶ Computer architecture
- ▶ Assembly language
- ▶ Shellcode
- ▶ Memory allocation
- ▶ Web application architectures

## THINGS THAT WILL HELP

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- ▶ Familiarity with assembly, web applications, disassembly